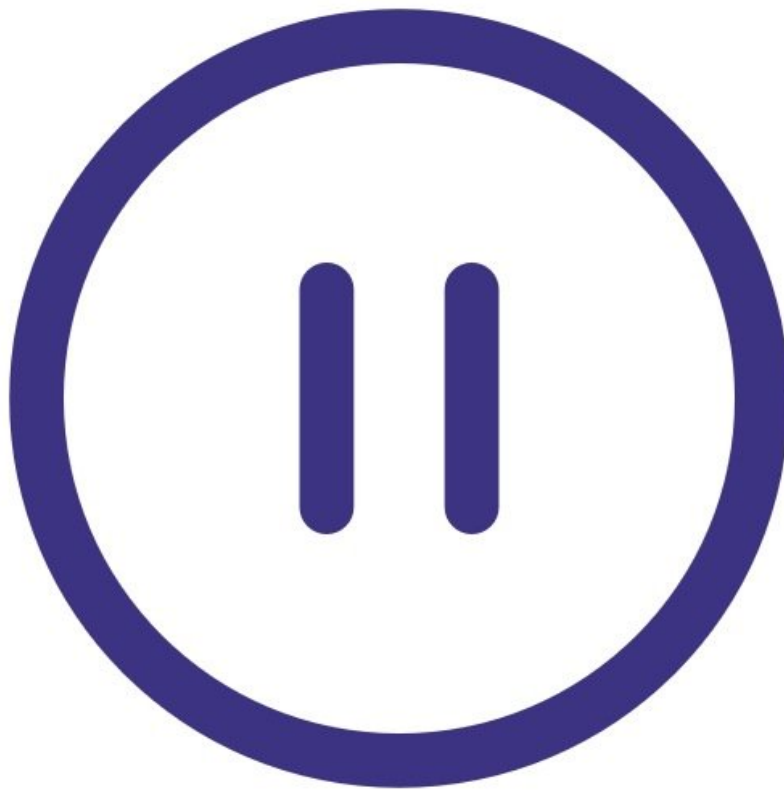




Enter service mode

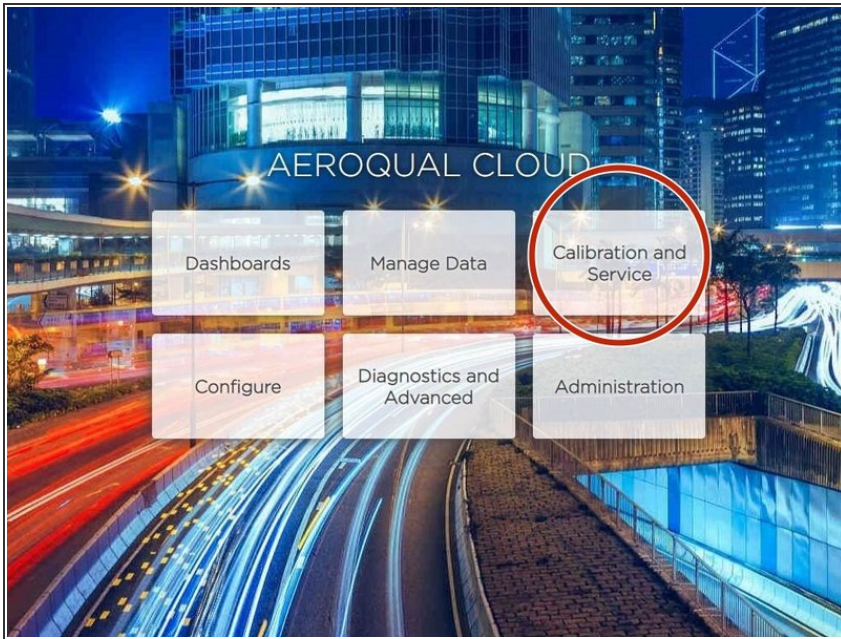
Written By: Tanya Taylor



INTRODUCTION

Performing service work on your monitor, such as changing filters or measuring flow rates, can cause the gas or particle readings to fluctuate. It's important you identify service-related work so that any fluctuations related to that work can be excluded from air quality reports.

Step 1 — Enter Calibration and Service app



- From the Aeroqual Connect of Aeroqual Cloud home screen, click **Calibration and Service**.

Step 2 — Enter service mode

Calibration and Service | Instrument | Sales & Support Demo AQY (AQY Demo-001)

Normal operation

Calibration

History

Manual Entry

Manual service mode **Start**

Calibration parameters

	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DP °C
Gain	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
a	1.100		2.550						
b			1.870						

Real time measurements **Last 5 minutes**

Time	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DP °C
11:42 a.m.	2.9	29.6	24.2	23.7	1.7	1.1	15.74	86.8	13.6
11:41 a.m.	2.8	29.2	24.0	23.5	1.6	1.0	15.63	86.0	13.3
11:40 a.m.	3.1	29.7	24.2	23.8	1.9	1.2	15.60	86.6	13.4
11:39 a.m.	3.6	30.2	24.1	23.7	1.5	1.0	15.55	87.6	13.5
11:38 a.m.	4.7	30.4	23.4	23.0	1.3	0.8	15.48	87.6	13.4

Calibration and Service | Instrument | Sales & Support Demo AQY (AQY Demo-001)

Service in progress | time-out in 24 hours **Stop**

Calibration

History

Manual Entry

Service in progress **Stop**

Calibration parameters

	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DP °C
Gain	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
a	1.100		2.550						
b			1.870						

Real time measurements **Last 5 minutes**

Time	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DP °C
11:48 a.m.	1.0	28.0	24.5	24.0	1.9	1.3	15.90	85.7	13.3
11:47 a.m.	2.8	28.6	23.4	22.9	2.0	1.3	15.96	85.7	13.3
11:46 a.m.	4.1	30.3	23.8	23.5	1.6	1.1	16.03	87.0	13.3
11:45 a.m.	2.1	30.3	25.6	25.0	1.7	1.1	15.90	86.8	13.3
11:44 a.m.	0.8	28.6	25.2	24.7	1.6	1.1	15.80	85.6	13.3
Average	2.2	29.1	24.5	24.0	1.8	1.2	15.92	86.2	13.3
Std Dev	1.2	1.0	0.8	0.8	0.1	0.1	0.08	0.6	0.1

- Select **Manual Entry** from the side menu.
 - Click **Start** beside **Manual service mode**.
 - A *Service mode pending* message appears before the monitor service successfully enters service mode.
- i** Any data created from your service work will now be labelled **Service**. (Normally data is labelled **Sample**.)

Step 3 — Exit service mode

Service in progress | time-out in 24 hours **Stop**

Calibration

History

Manual Entry

Service in progress **Stop**

Calibration parameters

	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DI %
Gain	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Offset	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
a	1.100		2.550						
b			1.870						

Real time measurements Last 5 r

Time	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	TEMP °C	RH %	DI %
11:48 a.m.	1.0	28.0	24.5	24.0	1.9	1.3	15.90	85.7	13.
11:47 a.m.	2.8	28.6	23.4	22.9	2.0	1.3	15.96	85.7	13.
11:46 a.m.	4.1	30.3	23.8	23.5	1.6	1.1	16.03	87.0	13.
11:45 a.m.	2.1	30.3	25.6	25.0	1.7	1.1	15.90	86.8	13.
11:44 a.m.	0.8	28.6	25.2	24.7	1.6	1.1	15.80	85.6	13.
Average	2.2	29.1	24.5	24.0	1.8	1.2	15.92	86.2	13.
Std Dev	1.2	1.0	0.8	0.8	0.1	0.1	0.08	0.6	0.

- After you've finished your maintenance work, return to the **Manual Entry** screen and click **Stop**.
- A *Service mode stop pending* message appears, giving you the option to cancel this action if you want.

Step 4 — Filter data

AQM65 15022017-579 Data Export (2).csv - Excel

AGE LAYOUT FORMULAS DATA REVIEW VIEW

Font Alignment Number

	B	C	D	E	F	G	H
	(ppm)	H2S (ppm)	PID (ppm)	PM2.5 (µg/m³)	TEMP (°C)	RH (%)	Inlet
81		0	0.181	26.8	21.73	69	Sample
91		0	0.181	26.84	21.74	68.9	Sample
97		0	0.18	27.3	21.74	69.2	Sample
96		0	0.18	26.56	21.77	69.3	Sample
33		0	0.179	26.13	21.84	69.2	Sample
13		0	0.209	26.17	21.9	68.8	Service
08		0	0.238	26.73	21.95	68.7	Service
01		0	0.221	27.36	21.98	68.5	Service
94		0	0.188	28.59	21.97	68.3	Service
45		0	0.179	27.45	21.94	68.6	Service

- A data analyst can now use the **Inlet** column to filter out service data when performing quality control,

calculating hourly or daily averages
or writing air quality reports.

For further support, contact [Technical Support](#).